

April 26, 2002

Ms. Lynn Brickett
U.S. Department of Energy
National Energy Technology Laboratory
PO Box 10940, MS 922-273C
Pittsburgh, PA 15236-0940

Dear Ms. Brickett:

Subject: JV Task 42 – Longer-Term Testing of Continuous Mercury Monitors
Cooperative Agreement No. DE-FC26-98FT40321; UND Fund 4781

Please find enclosed the January 1 – March 31, 2001, Quarterly Status Report for the subject task. This work was performed at the University of North Dakota Energy & Environmental Research Center under the subject agreement.

If you have any questions, please call me at (701) 777-5138, fax at (701) 777-5181, or e-mail at dlaudal@undeerc.org.

Sincerely,

Dennis L. Laudal
Senior Research Advisor

DLL/llh

Enclosure

c/enc: Paul Chu, EPRI

U.S. DEPARTMENT OF ENERGY
FEDERAL ASSISTANCE PROGRAM/PROJECT STATUS REPORT

OMB Burden Disclosure Statement

Public reporting burden for this collection of information is estimated to average 47.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Office of Information Resources Management, AD-241.2 - GTN, Paperwork Reduction Project (1910-0400), U.S. Department of Energy, 1000 Independence Avenue, SW., Washington, DC 20585; and to the Office of Management and Budget (OMB), Paperwork Reduction Project (1910-0400), Washington, DC 20503.

1. Program/Project Identification No. DE-FC26-98FT40321	2. Program/Project Title: JV Task 42 – Longer-Term Testing of Continuous Mercury Monitors	3. Reporting Period 1/1/02 through 3/31/02
4. Name and Address Energy & Environmental Research Center University of North Dakota PO Box 9018, Grand Forks, ND 58202-9018		5. Program/Project Start Date 4/15/98
		6. Completion Date 3/31/03

7. Approach Changes

Testing at the TXU Monticello Power Plant near Mount Pleasant, Texas, was concluded at the end of March 2002. To accommodate the plant and personnel scheduling, testing at Sammis will begin in late June 2002 and extend for approximately a month. Continuous mercury monitors (CMMs) were operated for approximately a month at Monticello, allowing very good results. Discussions are ongoing with both Lynn Brickett, the technical performance monitor at the National Energy Technology Laboratory, and Paul Chu of EPRI, to determine a utility for another sampling project.

☐ None

8. Performance Variances, Accomplishments, or Problems

Sampling at the Monticello Power Plant, owned by TXU (formerly Texas Utilities), has been concluded. Eric Chen, a Ph.D. student in Chemical Engineering from the University of Texas, operated the CMMs at Monticello while working on his thesis project. Prior to undertaking the work at Monticello, he assisted with sampling at Martin Lake Power Plant for another project. Energy & Environmental Research Center (EERC) sampling engineers and technicians were present at the beginning of the Monticello project to install, calibrate, and monitor the instruments to ensure that they were working correctly. Mr. Chen downloaded data to the EERC on a regular basis. Overall, things went smoothly. The EERC provided technical support by telephone during the course of the project. However, toward the end of the project, Eric Chen needed to contribute all of his time to finishing his Ph.D. project. In order to operate and maintain the CMMs, Jeff Thompson was sent to the Monticello site.

The mercury results from this project are of interest to the MACT (maximum achievable compliance technologies) Mercury Work Group. EPRI and the U.S. Department of Energy would very much like the results forwarded to them for inclusion in their regulatory decision-making process. Of particular interest is the variability of the mercury emissions; these results are being analyzed by a firm hired by EPRI. TXU is somewhat reluctant to release project information; therefore, all data will be cleared through them prior to release to the Mercury Work Group.

An abstract outlining the scope of work for this project was submitted and accepted for the Pittsburgh Coal Conference.

☐ None

9. Open Items

☒ None

10. Status Assessment and Forecast

See Item No. 7 for discussion regarding scheduling decisions.

☐ No Deviation from Plan is Expected

11. Description of Attachments

☒ None

12. Signature of Recipient and Date

13. Signature of U.S. Department of Energy (DOE) Reviewing Representative and Date